

## AUTHOR INDEX TO VOLUME 1

Acharya, H.N., S.K. Datta, H.D. Banerjee and S. Basu, Low-temperature preparation of polycrystalline silicon from silicon tetrachloride	1 (1982) 64
Aldred, A.T., Unusual cell volume behavior in the $\text{LaNb}_{1-x}\text{V}_x\text{O}_4$ system	1 (1983) 197
Ashizuka, M., see K. Hayashi	1 (1982) 116
Avasthi, B.N., see S.K. Srivastava	1 (1983) 178
Ballman, A.A., R.E. Nahory and H. Brown, The growth and properties of Mn-doped single-crystal InP	1 (1982) 14
Ballman, A.A., see R.D. Feldman	1 (1982) 77
Ballman, A.A., see C.-L. Chiang	1 (1983) 145
Banerjee, H.D., see H.N. Acharya	1 (1982) 64
Basavalingu, B., see T.R.N. Kutty	1 (1982) 67
Basu, S., see H.N. Acharya	1 (1982) 64
Basu, S., see S.K. Srivastava	1 (1983) 178
Baumgart, H., see H.J. Leamy	1 (1982) 33
Bernardini, J.E., see J.H. Wernick	1 (1982) 71
Besagni, T., see F. Licci	1 (1983) 163
Bilello, J.C., see D. Dew-Hughes	1 (1982) 37
Blakely, J.M., see F.A. List	1 (1982) 95
Bonner, W.A., see A.K. Chin	1 (1982) 19
Bonner, W.A., see B.H. Chin	1 (1982) 81
Bonnet, J.P., see B. Tanouti	1 (1982) 73
Boone, T., see A.K. Chin	1 (1983) 152
Bose, D.N., S. Sen, D.K. Joshi and S.N. Vaidya, Resistivity studies on $\text{Ga}_2\text{Te}_3$ and $\text{In}_2\text{Te}_3$ under high pressures	1 (1982) 61
Bottani, C.E. and G. Caglioti, Thermal emission: a probe to identify the critical point of the elastoplastic transition	1 (1982) 119
Bowman Jr., R.C., J.F. Lynch and J.R. Johnson, Proton NMR and magnetic susceptibility study of $\text{TiCr}_{1.8}\text{H}_x$	1 (1982) 122
Bradt, R.C., see K. Hayashi	1 (1982) 116
Brown, H., see A.A. Ballman	1 (1982) 14
Caglioti, G., see C.E. Bottani	1 (1982) 119
Carrigou-Lagrange, C., see B. Elouadi	1 (1982) 53
Celler, G.K., see L.E. Trimble	1 (1983) 184
Chang, C.C., see H.J. Leamy	1 (1982) 33
Cheng, J., see H.J. Leamy	1 (1982) 33
Chiang, C.-L., S. Wagner and A.A. Ballman, Electron diffusion lengths in Mn-doped InP	1 (1983) 145
Chikawa, J., see F. Sato	1 (1982) 111
Chin, A.K., M.A. DiGiuseppe and W.A. Bonner, Stress-induced defect migration in InP/InAsP double-heterostructure wafers	1 (1982) 19

Chin, A.K., B.V. Dutt, W.S. Trimmer, J.R. Zuber, T. Boone and K.D. Trapp, Evaluation of misfit dislocations in planar, zinc-diffused $In_{0.53}Ga_{0.47}As$ PIN photodiodes	1 (1983) 152
Chin, B.H., M.A. DiGiuseppe, H. Temkin and W.A. Bonner, Double meltback procedure for liquid-phase epitaxial growth on InP	1 (1982) 81
Chourasia, N.C., see A.R. Patel	1 (1983) 181
Cros, C., see J. Spector	1 (1982) 43
Dance, J.-M., N. Kerkouri, J.-L. Soubeyroux, J. Darriet and A. Tressaud, Cationic substitutions in fluorides of hexagonal perovskite type. III. The $CsNi_{1-x}Cd_xF_3$ system: crystal chemistry and trimeric magnetic interactions in $CsNi_{3/4}Cd_{1/4}F_3$	1 (1982) 49
Darriet, J., see J.-M. Dance	1 (1982) 49
Das, B., see S.K. Srivastava	1 (1983) 178
Datta, S.K., see H.N. Acharya	1 (1982) 64
De Jong, T., W.A.S. Douma, S. Doorn and F.W. Saris, Modulation doping structures in silicon by molecular beam epitaxy and off-line ion implantation	1 (1983) 157
Dew-Hughes, D., C. Messmer and J.C. Bilello, Dislocation-assisted crack propagation in zinc	1 (1982) 37
Dew-Hughes, D., Flux-pinning by superconductor-normal boundaries	1 (1982) 41
DiGiuseppe, M.A., see A.K. Chin	1 (1982) 19
DiGiuseppe, M.A., see B.H. Chin	1 (1982) 81
Doorn, S., see T. de Jong	1 (1983) 157
Douma, W.A.S., see T. de Jong	1 (1983) 157
Dutt, B.V., see A.K. Chin	1 (1983) 152
Elouadi, B., M. Ouchetto and C. Carrigou-Lagrange, Synthesis and structural study of mixed lithium and cadmium phosphate glasses	1 (1982) 53
Evans-Lutterodt, K., see R.M. Levin	1 (1982) 29
Feldman, R.D. and A.A. Ballman, Observation of double doped, low dislocation density InP by transmission electron microscopy	1 (1982) 77
Fredriksson, H., see E.H. Zetterlund	1 (1982) 127
Geballe, T.H., see J.H. Wernick	1 (1982) 71
Gibbs, H.M., see J.L. Jewell	1 (1983) 148
Gossard, A.C., see J.L. Jewell	1 (1983) 148
Hanebali, L., see J. Spector	1 (1982) 43
Hayashi, K., M. Ashizuka, R.C. Bradt and H. Hirano, Cleavage of gallium phosphide	1 (1982) 116
Hebard, A.F., see S. Nakahara	1 (1983) 141
Herley, P.J. and W. Jones, A study in real and reciprocal space of the electron-beam-induced decomposition of sodium aluminum hydride single crystals	1 (1983) 131
Hirano, H., see K. Hayashi	1 (1982) 116
Hull, G.W., see J.H. Wernick	1 (1982) 71
Hutchings, R., A TEM investigation of the structure of nitrogen-implanted Ti-6Al-4V	1 (1983) 137
Jewell, J.L., H.M. Gibbs, A.C. Gossard, A. Passner and W. Wiegmann, Fabrication of GaAs bistable optical devices	1 (1983) 148
Johnson, J.R., see R.C. Bowman Jr.	1 (1982) 122
Johnson, S.M., see R.G. Rosemeier	1 (1983) 194
Jones, W., see P.J. Herley	1 (1983) 131
Joshi, D.K., see D.N. Bose	1 (1982) 61

Kamalasan, M.N., see S. Radhakrishnan	1 (1982) 11
Kamgar, A. and E. Labate, Recrystallization of polysilicon films using incoherent light	1 (1982) 91
Kerkouri, N., see J.-M. Dance	1 (1982) 49
Kinsbron, E., see F. Vratny	1 (1982) 85
Koizumi, M., see M. Shimada	1 (1983) 175
Kutty, T.R.N., J.A.K. Tareen, B. Basavalingu and B. Puttaraju, Low-temperature hydrothermal reduction of metal hydroxides to metal powders	1 (1982) 67
Labate, E., see A. Kamgar	1 (1982) 91
Lähteenmäki, I.T., see E.S.U. Laine	1 (1983) 166
Laine, E.S.U. and I.T. Lähteenmäki, Order-disorder transformation study in 25–35 at.% Cd–Mg alloys by energy dispersive X-ray diffraction (EDXD)	1 (1983) 166
Leamy, H.J., C.C. Hang, H. Baumgart, R.A. Lemons and J. Cheng, Cellular growth in micro-zone melted silicon	1 (1982) 33
Lee, S.L., Dynamic particle sizing in suspension by laser anemometry techniques	1 (1983) 189
Lemons, R.A., see H.J. Leamy	1 (1982) 33
Levin, R.M. and K. Evans-Lutterodt, The step coverage of CVD SiO <sub>2</sub> glass films	1 (1982) 29
Libowitz, G.G., see A.J. Maeland	1 (1982) 3
Licci, F., S. Rinaldi and T. Besagni, Substrates for epitaxial growth of hexaferrite films	1 (1983) 163
List, F.A. and J.M. Blakely, The oxidation of carbon on nickel: effect of surface morphology	1 (1982) 95
Lynch, J.F., see R.C. Bowman Jr.	1 (1982) 122
Maeland, A.J. and G.G. Libowitz, Preparation of metallic glass powders by hydrogen charging	1 (1982) 3
Malik, H.I., Some aspects of cobalt influence on transformation of steel	1 (1982) 104
Malik, R.J., The design and growth of GaAs planar doped barriers by MBE	1 (1982) 22
Mehendru, P.C., see S. Radhakrishnan	1 (1982) 11
Messmer, C., see D. Dew-Hughes	1 (1982) 37
Murarka, S.P., Heat of formation of transition-metal silicides	1 (1982) 26
Nahory, R.E., see A.A. Ballman	1 (1982) 14
Nakahara, S. and A.F. Hebard, Use of an overlay-film configuration to improve contrast of low-angle electron diffraction in thin films with columnar microstructure	1 (1983) 141
Onillon, M., see B. Tanouti	1 (1982) 73
Ouchetto, M., see B. Elouadi	1 (1982) 53
Pandya, N.C., see A.R. Patel	1 (1983) 181
Passner, A., see J.L. Jewell	1 (1983) 148
Patel, A.R., G.K. Shivakumar, N.C. Pandya and N.C. Chourasia, Temperature coefficient of the resistance of chromium–copper alloy films	1 (1983) 181
Prasad, Y.V.R.K., see G. Sambasiva Rao	1 (1983) 171
Puttaraju, B., see T.R.N. Kutty	1 (1982) 67
Radhakrishnan, S., M.N. Kamalasan and P.C. Mehendru, Photopolarization process in orthorhombic lead monoxide	1 (1982) 11
Rinaldi, S., see F. Licci	1 (1983) 163
R.G. Rosemeier, K.C. Yoo and S.M. Johnson, Polycrystal X-ray topography (PXT) of a cast silicon photovoltaic cell	1 (1983) 194

Salmon, R., see B. Tanouti	1 (1982) 73
Sambasiva Rao, G. and Y.V.R.K. Prasad, Strengthening mechanisms in hot-rolled magnesium and magnesium alloys	1 (1983) 171
Saris, F.W., see T. de Jong	1 (1983) 157
Sato, F., T. Sunada and J. Chikawa, Pulsed laser annealing of GaAs in a high-pressure argon gas ambience	1 (1982) 111
Sen, S., see D.N. Bose	1 (1982) 61
Shimada, M., T. Suzuki and M. Koizumi, Fabrication and characterization of $TiC_{1-x}N_x$ ( $0 \leq x \leq 1$ ) and $Mo_2B_{2-x}C_x$ ( $x = 0, 1.0, 2.0$ ) by high-pressure hot-pressing	1 (1983) 175
Shivakumar, G.K., see A.R. Patel	1 (1983) 181
Soubeyroux, J.-L., see J.-M. Dance	1 (1982) 49
Spector, J., G. Villeneuve, L. Hanebali and C. Cros, NMR investigations of the $Li^+$ ion mobility in the double chlorides $Li_2MgCl_4$ and $LiMgCl_3$	1 (1982) 43
Srivastava, S.K., B.N. Avasthi, B. Das and S. Basu, High-pressure growth of polycrystalline molybdenum disulphide	1 (1983) 178
Subrahmanyam, J., Studies on boronising of mild steel	1 (1982) 100
Sunada, T., see F. Sato	1 (1982) 111
Suzuki, T., see M. Shimada	1 (1983) 175
Tanouti, B., J.P. Bonnet, R. Salmon and M. Onillon, The influence of sintering on the electrical conductivity of the $Zn_{0.99}Co_{0.01}O$ solid solution	1 (1982) 73
Tareen, J.A.K., see T.R.N. Kutty	1 (1982) 67
Temkin, H., see B.H. Chin	1 (1982) 81
Trapp, K.D., see A.K. Chin	1 (1983) 152
Tressaud, A., see J.-M. Dance	1 (1982) 49
Trimble, L.E. and G.K. Celler, Rapid laser scanning for Si-on-insulator devices	1 (1983) 184
Trimmer, W.S., see A.K. Chin	1 (1983) 152
Tu, K.N., Single intermetallic compound formation in Pd-Pb and Pd-Sn thin-film couples studied by X-ray diffraction	1 (1982) 6
Vaidya, S.N., see D.N. Bose	1 (1982) 61
Villeneuve, G., see J. Spector	1 (1982) 43
Vratny, F. and E. Kinsbron, Removing hardened organic materials during fabrication of integrated circuits	1 (1982) 85
Wagner, S., see C.-L. Chiang	1 (1983) 145
Waszcak, J.V., see J.H. Wernick	1 (1982) 71
Wernick, J.H., G.W. Hull, T.H. Geballe, J.E. Bernardini and J.V. Waszcak, Superconductivity in $LaNi_2Ge_2$ and related intermetallics	1 (1982) 71
Westlake, D.G., Occupied interstices in stoichiometric and hyperstoichiometric $V_2H(D)$	1 (1982) 107
Wiegmann, W., see J.L. Jewell	1 (1983) 148
Willoughby, A.F.W., Interdiffusion in the CdTe/HgTe system	1 (1982) 58
Yoo, K.C., see R.G. Rosemeier	1 (1983) 194
Zetterlund, E.H. and H. Fredriksson, The effect of gravity on freely growing crystals	1 (1982) 127
Zuber, J.R., see A.K. Chin	1 (1983) 152

